

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV813998732US, on the date shown below in an envelope addressed to: MS Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: December 20, 2006

Signature:

(Sandy Reisman)

Docket No.: 385478008US2  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Butters et al.

Application No.: 10/575,182

Filed: April 7, 2006

For: SYSTEM AND METHOD FOR  
CHARACTERIZING A SAMPLE BY LOW-  
FREQUENCY SPECTRA

Confirmation No.: 3490

Art Unit: 2862

Examiner: Not Yet Assigned

**RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS**

MS Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Notification of Missing Requirements Under 35 U.S.C. 371 mailed October 26, 2006, Applicant respectfully submits a Declaration, a Power of Attorney, fees (as shown on accompanying Fee Transmittal), replacement drawings (Figures 1-27, 35 pages), a Second Preliminary Amendment, an Information Disclosure Statement, an Information Disclosure Citation (PTO SB/08), foreign and non-patent references, and Part 2 Copy of Notice.

Our check in the amount of \$200.00 covering the fees set forth in 37 CFR 1.16(i) and 1.16(h) is enclosed. The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper

12/28/2006 MKAYPAGH 00000066 10575182

01 FC:2615  
02 FC:2614

100.00 OP  
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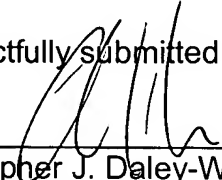
Application No.: 10/575,182

Docket No.: 385478008US2

hereafter filed in this application by this firm) to our Deposit Account No. 50-0665, under Order No. 385478008US2. A duplicate copy of this paper is enclosed.

Dated: December 19, 2006

Respectfully submitted,

By   
Christopher J. Daley-Watson  
Registration No.: 34,807  
PERKINS COIE LLP  
P.O. Box 1247  
Seattle, Washington 98111-1247  
(206) 359-8000  
(206) 359-7198 (Fax)  
Attorney for Applicant

12-22-06

Page 1 of 2

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U.S. APPLICATION NUMBER

FIRST NAMED APPLICANT

ATTY. DOCKET NO.

10/575,182

INTERNATIONAL APPLICATION NO.

PCT/US04/33383

I.A. FILING DATE

PRIORITY DATE

10/08/2004

10/09/2003

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PERKINS COIE LLP  
PATENT-SEA  
P.O. BOX 1247  
SEATTLE, WA 98111-1247RECEIVED  
PATENT DOCKETING

OCT 30 2006

PERKINS COIE LLP

CONFIRMATION NO. 3490

371 FORMALITIES LETTER



\*OC000000020980899\*

Date Mailed: 10/26/2006

**NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Indication of Small Entity Status
- Copy of the International Application filed on 04/07/2006
- Copy of the International Search Report filed on 04/07/2006
- Copy of IPE Report filed on 04/07/2006
- Preliminary Amendments filed on 04/07/2006
- Small Entity Statement filed on 04/07/2006
- Request for Immediate Examination filed on 04/07/2006
- U.S. Basic National Fees filed on 04/07/2006
- Priority Documents filed on 04/07/2006
- Specification filed on 04/07/2006
- Claims filed on 04/07/2006
- Abstracts filed on 04/07/2006
- Drawings filed on 04/07/2006

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions

of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

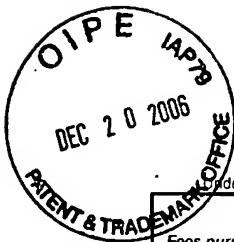
LAMONT M HUNTER

Telephone: (703) 308-9140 EXT 201

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/575,182	PCT/US04/33383	

FORM PCT/DO/EO/905 (371 Formalities Notice)



EXPRESS MAIL NO. EV813998732US

PTO/SB/17 (07-06)

Approved for use through 01/31/2007. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it displays a valid OMB control number.

<b>FEE TRANSMITTAL</b> <b>For FY 2005</b>		<b>Complete if Known</b>	
		Application Number	10/575,182-Conf. #3490
		Filing Date	April 7, 2006
		First Named Inventor	Bennett M. Butters
		Examiner Name	Not Yet Assigned
		Art Unit	2862
		Attorney Docket No.	385478008US2
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27			
<b>TOTAL AMOUNT OF PAYMENT</b>		<b>(\$)</b>	<b>200.00</b>

<b>METHOD OF PAYMENT</b> (check all that apply)	
<input checked="" type="checkbox"/> Check	<input type="checkbox"/> Credit Card
<input type="checkbox"/> Money Order	<input type="checkbox"/> None
<input type="checkbox"/> Other (please identify): _____	
<input checked="" type="checkbox"/> Deposit Account	Deposit Account Number: <u>50-0665</u> Deposit Account Name: <u>Perkins Coie LLP</u>
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)	
<input type="checkbox"/> Charge fee(s) indicated below	<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee
<input checked="" type="checkbox"/> Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17	<input checked="" type="checkbox"/> Credit any overpayments

<b>FEE CALCULATION</b>							
<b>1. BASIC FILING, SEARCH, AND EXAMINATION FEES</b>							
	<b>FILING FEES</b>		<b>SEARCH FEES</b>		<b>EXAMINATION FEES</b>		
		<b>Small Entity</b>		<b>Small Entity</b>		<b>Small Entity</b>	
<b>Application Type</b>	<b>Fee (\$)</b>	<b>Fee (\$)</b>	<b>Fee (\$)</b>	<b>Fee (\$)</b>	<b>Fee (\$)</b>	<b>Fee (\$)</b>	<b>Fees Paid (\$)</b>
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____
<b>2. EXCESS CLAIM FEES</b>							
						<b>Small Entity</b>	
						<b>Fee (\$)</b>	<b>Fee (\$)</b>
Each claim over 20 (including Reissues)						50	25
Each independent claim over 3 (including Reissues)						200	100
Multiple dependent claims						360	180
<b>Total Claims</b>		<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>	<b>Multiple Dependent Claims</b>		
<u>24</u>		<u>- 20 = 4</u>	<u>x 25.00 =</u>	<u>100.00</u>			
HP = highest number of total claims paid for, if greater than 20.							
<b>Indep. Claims</b>		<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>			
<u>4</u>		<u>- 3 = 1</u>	<u>x 100.00 =</u>	<u>100.00</u>			
HP = highest number of independent claims paid for, if greater than 3.							
<b>3. APPLICATION SIZE FEE</b>							
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).							
<b>Total Sheets</b>	<b>Extra Sheets</b>	<b>Number of each additional 50 or fraction thereof</b>		<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>		
<u>87</u>	<u>- 100 = 0</u>	<u>/50</u>		<u>(round up to a whole number) x</u>	<u>=</u>		
<b>4. OTHER FEE(S)</b>							
Non-English Specification, \$130 fee (no small entity discount)						<b>Fees Paid (\$)</b>	
Other (e.g., late filing surcharge): _____							

<b>SUBMITTED BY</b>			
Signature		Registration No. (Attorney/Agent)	34,807
Name (Print/Type)	Christopher J. Daley-Watson	Telephone	(206) 359-8000
		Date	December 20, 2006